Title (en)

ARTIFICIAL MULTI-ANTIGEN FUSION PROTEIN AND PREPARATION AND USE THEREOF

Title (de)

KÜNSTLICHES MULTI-ANTIGEN-FUSIONSPROTEIN SOWIE HERSTELLUNG UND VERWENDUNG DAVON

Title (fr)

PROTÉINE DE FUSION ARTIFICIELLE À ANTIGÈNES MULTIPLES, PRÉPARATION ET UTILISATION ASSOCIÉES

Publication

EP 3971215 A2 20220323 (EN)

Application

EP 21181903 A 20151215

Priority

- CN 201410777861 A 20141215
- EP 15869319 A 20151215
- CN 2015097470 W 20151215

Abstract (en)

Provided are an artificial multi-antigen fusion protein and a preparation method thereof. The fusion protein can effectively stimulate CD8+T and CD4+ T cell immunities, and can be applied to immunodiagnostics or serve as a prophylactic or therapeutic vaccine.

IPC 8 full level

C07K 19/00 (2006.01); **A61K 39/02** (2006.01); **A61K 39/118** (2006.01); **A61K 39/12** (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01)

CPC (source: EP US)

A61K 39/02 (2013.01 - EP US); **A61K 39/118** (2013.01 - EP US); **A61K 39/12** (2013.01 - EP US); **A61K 47/6849** (2017.08 - US); **A61K 47/6855** (2017.08 - US); **A61K 49/0006** (2013.01 - EP); **C07K 19/00** (2013.01 - EP US); **C12N 5/0636** (2013.01 - EP US); **C12N 5/0639** (2013.01 - EP); **C12N 15/70** (2013.01 - EP US); **C12Q 1/686** (2013.01 - US); A61K 39/39 (2013.01 - US); C07K 2/00 (2013.01 - US); C07K 16/00 (2013.01 - EP US); C12N 2501/2302 (2013.01 - EP); C12N 2501/2307 (2013.01 - EP); C12N 2501/505 (2013.01 - US); C12N 2501/998 (2013.01 - EP); C12N 2502/1114 (2013.01 - EP); C12N 2502/1121 (2013.01 - EP)

Citation (applicant)

- US 8148100 B2 20120403 - SCHOFIELD CHRISTOPHER JOSEPH [GB], et al
- SAMBROOK ET AL.: "Molecular Cloning: A Laboratory Manual", 1989, COLD SPRING HARBOR LABORATORY PRESS
- "GenBank", Database accession no. EF198106

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3235831 A1 20171025; **EP 3235831 A4 20180620**; CN 105753989 A 20160713; CN 107207617 A 20170926; EP 3971215 A2 20220323; EP 3971215 A3 20220427; JP 2018501260 A 20180118; JP 6917303 B2 20210811; US 11833220 B2 20231205; US 2017340751 A1 20171130; WO 2016095812 A1 20160623

DOCDB simple family (application)

EP 15869319 A 20151215; CN 201410777861 A 20141215; CN 2015097470 W 20151215; CN 201580068647 A 20151215; EP 21181903 A 20151215; JP 2017533496 A 20151215; US 201515536428 A 20151215